

II. CLAIM AMENDMENTS

1. (Currently amended) A method for determining the performance of decoding in a telecommunication system comprising a decoder and a testing apparatus for supplying test data to the decoder, the method comprising ~~steps of:~~

generating test data comprising channel coded parameters and inband data,

transmitting the test data from the testing apparatus to the decoder for decoding,

extracting at least a part of the inband data from the decoded test data,

bypassing a link adaptation process of the decoder,

transmitting at least the part of the inband data back to the testing apparatus, and

determining the performance of decoding by comparing the transmitted inband data and ~~the received~~ at least the part of the inband data received in the test apparatus.

2. (Canceled)

3. (Original) A method according to claim 1, further comprising
activating a traffic channel of the telecommunication system
before transmitting the test data, and
transmitting the test data from the testing apparatus to the
decoder in the downlink traffic channel and from the
decoder to the testing apparatus in the uplink traffic
channel.

4. (Original) A method according to claim 3, further comprising
transmitting the inband data back to the testing apparatus in
the first available uplink traffic channel time frame.

5. (Original) A method according to claim 3, further comprising
transmitting, prior to transmitting the test data, a message
from the testing apparatus to activate a test loop in the
decoder, which test loop is implemented in functional
connection with the decoder and

acknowledging said message from the decoder to the testing apparatus, in response to the traffic channel being activated.

6. (Currently amended) A method according to claim 5, wherein

the message is a bit combination of CLOSE_TCH_LOOP_CMD message ~~according to~~ defined in the document GSM 04.14 V8.1.0 of the GSM system.

7. (Original) A method according to claim 1, wherein

the channel coded parameters are speech parameters.

8. (Original) A method according to claim 1, further comprising

determining the performance of channel decoding of mode indication (MI) inband data field in AMR full-rate or half-rate speech channel.

9. (Currently amended) A testing apparatus for determining the performance of a decoder, which the testing apparatus is arranged to be functionally connected to the decoder, the testing apparatus comprising

a composing means for composing test data comprising channel coded parameters and inband data,

a transmitter for transmitting the test data to the decoder for decoding,

controlling means for sending a command to the decoder to bypass its link adaptation process,

a receiver for receiving at least part of the inband data, and

a comparator for determining the performance of decoding by comparing the transmitted inband data and ~~the received~~ at least the part of the inband data received in the testing apparatus.

10. (Original) A testing apparatus according to claim 9, wherein the testing apparatus is arranged to

activate a traffic channel towards the decoder before transmitting the test data,

transmit the test data to the decoder in the downlink traffic channel, and

receive the test data from the decoder in the uplink traffic channel.

11. (Original) A testing apparatus according to claim 10, wherein the testing apparatus is arranged to

transmit, prior to transmitting the test data, a message to the decoder to activate a test loop in the decoder, which test loop is implemented in functional connection with the decoder and

receive an acknowledgement of said message from the decoder, in response to the traffic channel being activated.

12. (Currently amended) A mobile station, comprising

a receiver for receiving test data comprising channel coded parameters and inband data from a testing apparatus,

a decoder for decoding the test data,

extracting means for extracting at least part of the inband data from the decoded test data,

controlling means for controlling a link adaptation process of
the decoder to be bypassed, and

a transmitter for transmitting at least a part of the inband
data back to the testing apparatus.

13. (Currently amended) A mobile station according to claim 12,

wherein the inband data is arranged to be transmitted back to
the testing apparatus in ~~the~~ a first available uplink
traffic channel time frame.

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